

PHILIPS MAGNAVOX

PR1904B

OWNER'S MANUAL (USE AND SET-UP GUIDE)



COLOR TELEVISION
AND
REMOTE CONTROL

TABLE OF CONTENTS

Getting Started

Warning/Precautions	1, 8
Hooking Up Your TV	2-3
VCR to TV Antenna Connections	3
Basic TV and Remote Control Operation	4
How to Use and Setup your TV	4

On-Screen Features

◆ Adding Channels in Memory (Manually)	5
◆ Setting the TV Sleep Timer Control	5
◆ Using the TV Picture and Color Controls	6
◆ How to Set the TV for Closed Captioning	7

General Information

Glossary of TV Terms	7
Tips if Something Isn't Working	8
Index	8
Warranty	8

FCC Warning: Any unauthorized changes or modifications to this equipment void the user's authority to operate it.

For Customer Use

Enter (below) the Serial Number and the Model Number of this television (located on the rear of the TV cabinet). Retain this information for future reference.

Model No. _____
Serial No. _____

FEATURES

- Infrared Remote Control which works your TV as well as all on-screen feature controls.
- Standard Broadcast (VHF/UHF) or Cable TV (CATV) channel capability.
- Closed Captioning which allows the viewer to read TV program dialogue or voice conversations as on-screen text.
- Automatic Programming of Channels for quick and easy selection of favorite stations available in your area.
- Sleep Timer which automatically turns the TV OFF at preset times.

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS MAGNAVOX purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS MAGNAVOX product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS MAGNAVOX warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your purchase, and welcome to the "family!"

PHILIPS MAGNAVOX



Dear PHILIPS MAGNAVOX product owner:

Thank you for your confidence in PHILIPS MAGNAVOX. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS MAGNAVOX "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome—and thanks for investing in a PHILIPS MAGNAVOX product.

Sincerely,



Robert Minkhorst
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS MAGNAVOX product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

**Know these
safety symbols**



⚠ This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

⚠ The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

PHILIPS MAGNAVOX Visit our World Wide Web Site at <http://www.philipsmagnavox.com>

HOOKING UP YOUR TV (ANTENNA/CABLE CONNECTIONS)

ANTENNA

BEGIN

COMBINATION UHF/VHF

A combination antenna receives normal broadcast channels (VHF 2-13 and UHF 14-69). Your connection is easy since there is only one 75Ω (ohm) antenna plug on the back of your TV - and that's where the antenna goes.

1 If your antenna has a round cable (75 ohm) on the end, then you're ready to connect it to the TV. If your antenna has flat twin-lead wire (300 ohm), you first need to attach the antenna wires to the screws on a 300 to 75 ohm adapter.

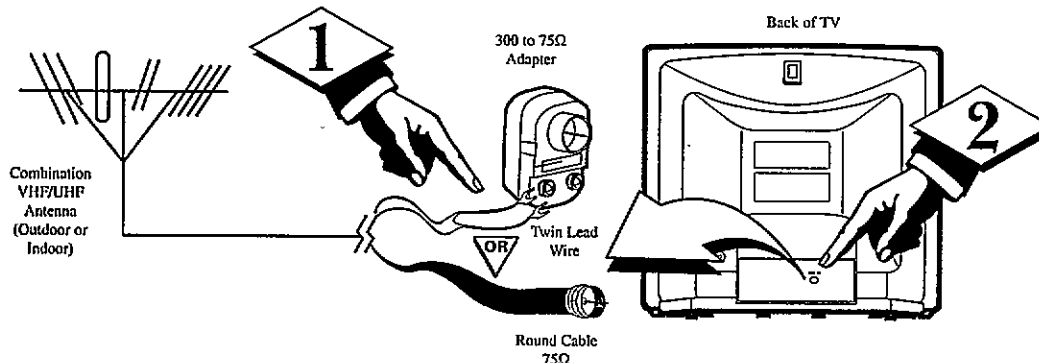
2 Push the round end of the adapter (or cable) onto the ANT(enna), IN(put) plug on the rear of the TV. If the round end of the adapter or cable is threaded, screw it down tight.

STOP

SMART HELP

Remember, be sure to set the TV for the type signal you've connected (see page 4).

To set the TV to select only the channel numbers in your area, see "Channel Auto Memo" on page 4.



SEPARATE UHF/VHF

You may have two separate antennas. One antenna is for VHF channels (2-13) and the other antenna is for UHF channels (14-69).

For homes with separate UHF/VHF antennas, you will need an optional "combiner" before you can connect to the TV.

BEGIN

1 Attach the separate UHF and VHF antennas to the correct screws on the combiner.

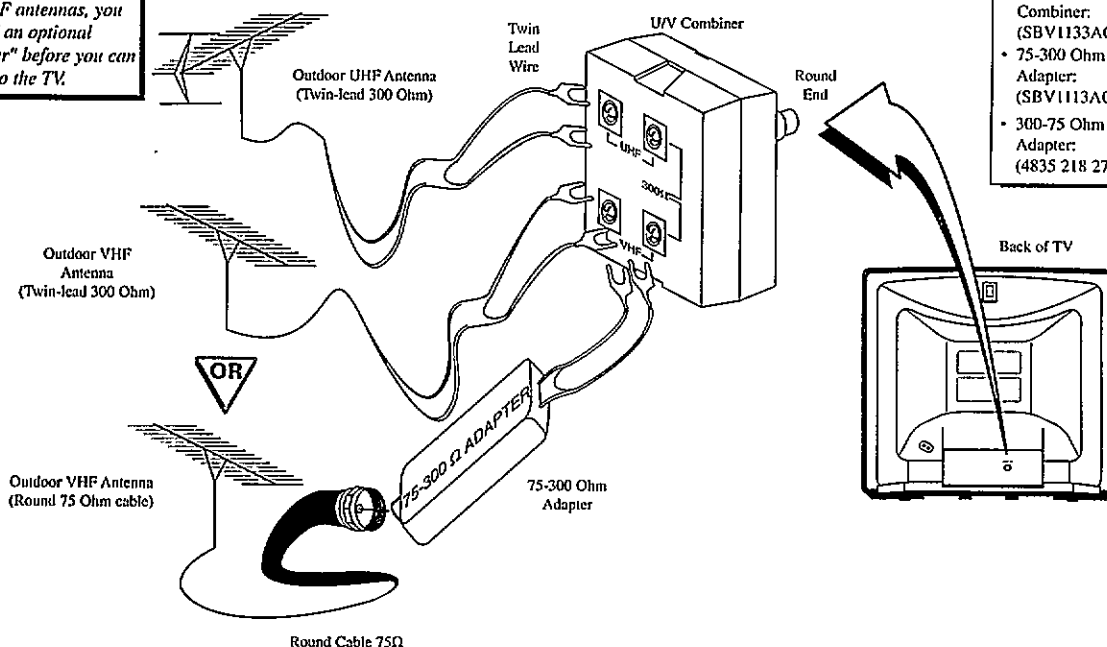
2 Push the round end of the combiner onto the ANT(enna), IN(put) plug on the rear of the TV.

STOP

SMART HELP

To order any optional accessory, contact your dealer or call the toll-free accessory ordering number (1-800-292-6066).

- UHF/VHF Combiner: (SBV1133A01)
- 75-300 Ohm Adapter: (SBV1113A01)
- 300-75 Ohm Adapter: (4835 218 27003)



HOOKING UP YOUR TV (ANTENNA/CABLE CONNECTIONS) (CONT'D)

VCR to TV

BEGIN

BASIC CONNECTION

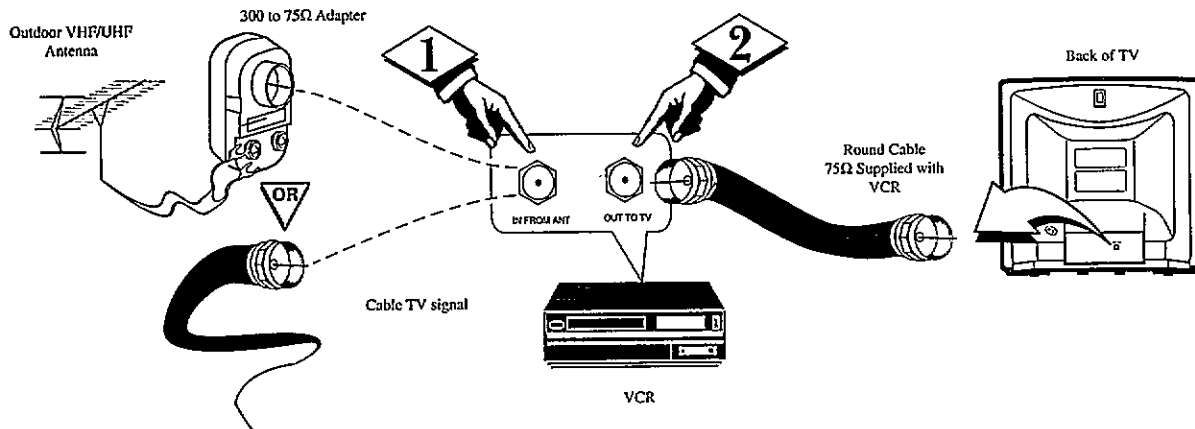
The basic Antenna / Cable to VCR to TV connection is shown here. For more information on other hookups (with Cable Converter Boxes or Descrambler Boxes), refer to your VCR or Cable Converter Box Owner's Manual.

1 Connect your Antenna or Cable signal to the IN FROM ANT(enna) plug on the VCR.

2 Connect the OUT TO TV plug on the VCR to the ANT(enna). IN(put) plug on the TV (connecting cable supplied with the VCR).

3 Refer to the Owner's Manual included with your VCR for other possible connections and TV/VCR operating details.

STOP



CABLE TV

BEGIN

CABLE INPUT/CONVERTER

Your Cable TV signal into your home may be a single (75 ohm) cable or a Cable Converter Box installation. In either case, the connection to the TV is very easy.

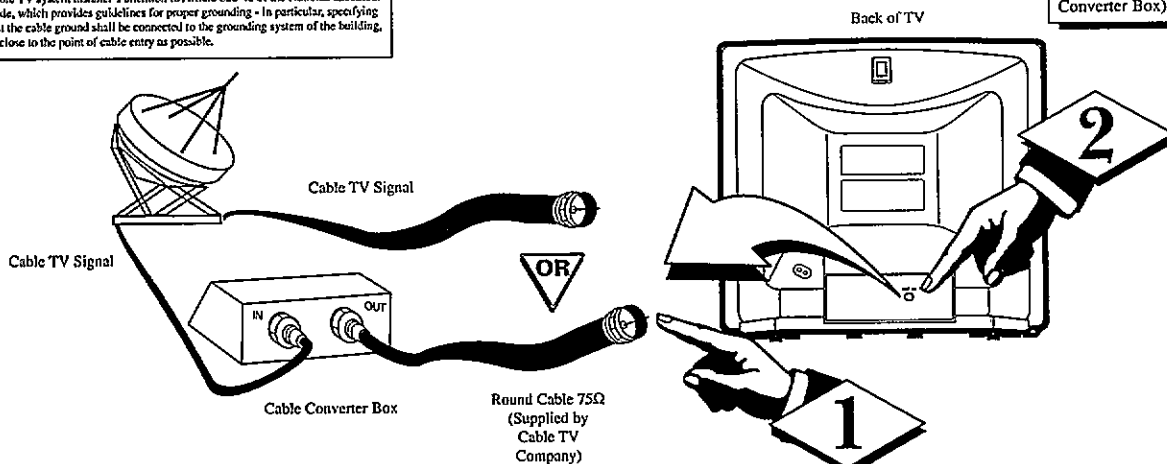
1 If your Cable TV signal is a single round cable (75 ohm) then you're ready to connect to the TV. If you have a Cable Converter Box: Connect the Cable TV signal to the Cable Signal IN(put) plug on the Cable Converter Box.

2 Connect the Cable TV cable to the ANT(enna). IN(put) plug on the TV. If you have a Cable Converter Box: Connect the OUT(put) plug of the Cable Converter Box to the ANT(enna). IN(put) plug on the TV.

NOTE: The connecting cable for the Cable Converter Box is supplied by the Cable TV company.

STOP

Note to the Cable TV System Installer: This reminder is provided to call the Cable TV system installer's attention to Article 820-40 of the National Electrical Code, which provides guidelines for proper grounding - In particular, specifying that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as possible.



SMART HELP

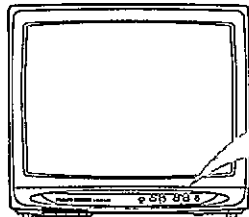
Remember, set the TV for the type signal you've just connected (see page 4).

To select only the channels on your Cable system, see "Channel Auto Memo" (page 4). If you use a Cable Converter Box, set the TV to the same channel as the converter's CH 3/4 switch (on the rear of the Cable Converter Box).

HOW TO USE AND SETUP YOUR TV

TELEVISION

BEGIN



1 Connect the power cord to a standard AC outlet.

2 Press the POWER button to turn the TV ON.

3 Press the VOLUME ▲ or ▼ button to adjust the sound level.

4 Press the CHANNEL ▲ or ▼ button to select TV channels.

5 Press the MENU button to display the TV's on-screen menu. Press the MENU button repeatedly to select an item in the menu. To clear the menu, press the MENU button repeatedly until the menu disappears from the TV screen.

STOP

SMART HELP

The tuned channel number will always briefly appear when the TV is first turned ON (and with channel changes). To display the channel number at all times, (except when Closed Captioning is selected) press the DISPLAY button. To remove the channel number, press the DISPLAY button again.

MENU

BEGIN

CHANNEL AUTO MEMO

Follow the steps in this section to quickly add area channel numbers into the TV's memory.

1 Press the MENU button repeatedly to select CHANNEL SET with the TV's on-screen arrow.

2 Press the SELECT button repeatedly or the SET (+) or (-) buttons to select TV or CATV. The selected mode will appear in PURPLE.
• Select TV if you have an Antenna connected to the TV.
• Select CATV if you have a Cable Signal connected to the TV.

3 Press the MENU button repeatedly to select AUTO MEMO with the TV's on-screen arrow.

4 Press the SELECT button to start automatic channel programming.

STOP

SMART HELP

When AUTO MEMO action is completed, the lowest memorized channel reappears on the screen.

Cancel AUTO MEMO by pressing the MENU button.

REMOTE

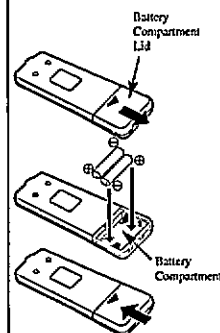
BEGIN

To load the supplied batteries into the remote:

1. Slide off the battery compartment lid on the remote control.

2. Insert two AA batteries (supplied) into the battery compartment as indicated by the polarity (+/-) markings inside the battery compartment. Batteries installed with incorrect polarity may damage the remote control.

3. Replace the lid.



1 Point the remote control toward the remote sensor window on the TV when operating the TV with the remote.

STOP

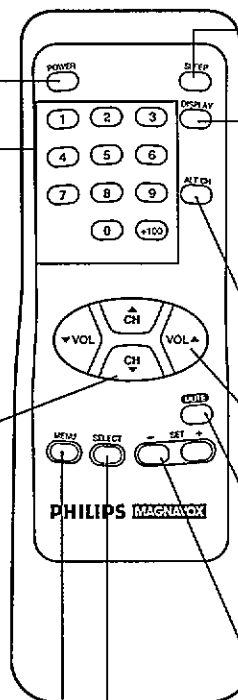
Power Button
Press to turn TV ON and OFF.

Number Buttons
Press two number buttons to select TV channels. For example: to select channel 6... press "0" first, then "6."
When you select cable channels which are equal or greater than the number 100, press the +100 button, then press the last two digits of the channel you want. For example, to select channel 117, press the +100 button, 1, 7.

Channel Scan Buttons
Press to scan up or down through programmed channel numbers.
When you press these buttons before setting AUTO MEMO, the TV scans to the next available channel. If the TV is not receiving a signal, the TV will continue to scan channels until you press the MENU button to exit. In this case, check antenna connections.

Menu Button
Press to show on-screen controls and move through the list of controls.

Select Button
Press to select items in the on-screen menu.



Sleep Button
Press to set the TV to automatically turn itself OFF.

Display Button
Press to display the channel number at all times. (If a Closed Caption mode is selected, the channel number will only appear briefly.) To remove the channel number, press the DISPLAY button again.

Alt. Ch (Alternate Channel) Button
Press to return to the TV channel you were viewing immediately before switching to your current channel.

Volume (▲) and (▼) Buttons
Press to adjust the TV sound level.

Mute Button
Press to turn the sound OFF on the TV. Press again to return the sound to its previous level.

Set (+) and (-) Buttons
Press to select items in the menu or to adjust the picture controls.

ON-SCREEN MENU CONTROLS

CHANNEL

ADD/DELETE CHANNELS

AUTO MEMO (see page 4) adds all the channels it can find (on your Antenna or Cable TV system) into the TV's memory. Add/Delete channels makes it easy for you to add other channels, or drop unwanted channels, from the list of channels in the TV's memory.

BEGIN

- 1 Press the MENU button repeatedly to select CHANNEL SET with the TV's on-screen arrow. Then, press the SELECT button.

PICTURE
▶ CHANNEL SET
CCD SELECT
CCD OFF

- 2 Press the MENU button repeatedly to select ADD/DELETE with the TV's on-screen arrow. Then, press the SELECT button.

TV/CATV
AUTO MEMO
▶ ADD/DELETE

- 3 Press the CH(annel) ▲▼ buttons to select the channel you want to ADD or DELETE.

2
ADD/DELETE

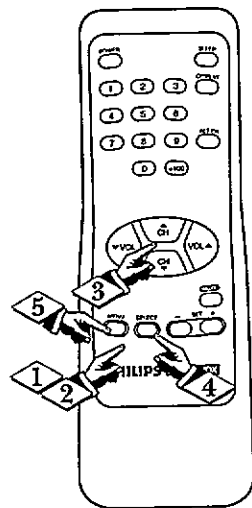
- 5 To add or delete additional channels, repeat steps 3 and 4. Press the MENU button to exit the on-screen menu.

STOP

- 4 Within 10 seconds, press the SELECT button to make the channel number appear in TEAL to add the channel into memory.

Press the SELECT button to make the channel number appear in PURPLE to delete the channel from memory.

2
ADD/DELETE



SLEEP

SLEEP TIMER

Have you ever fallen asleep in front of the TV only to have it wake you up at 2 a.m. with a test pattern screeching in your ears? Well, your TV can save you all that trouble by automatically turning itself off.

BEGIN

- 1 Press the SLEEP button repeatedly to pick the amount of time (10 minutes to 90 minutes) before the TV will turn itself off.

SLEEP 30

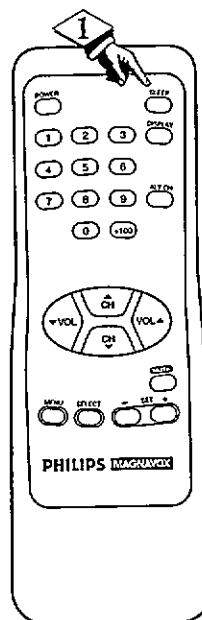
STOP

SMART HELP



To see how many minutes remain before the TV shuts itself off, press the SLEEP button on the remote.

To cancel a SLEEP TIMER setting, press the SLEEP button repeatedly until SLEEP 0 appears on-screen.



ON-SCREEN MENU CONTROLS (CONT'D)

PICTURE

PICTURE ADJUSTMENTS

To adjust your TV picture controls, select a channel and follow these steps.

BEGIN

- 1 Press the MENU button. PICTURE will be selected with the TV's on-screen arrow.

▶ PICTURE
CHANNEL SET
CCD SELECT
CCD OFF

- 2 Press the SELECT button until the desired control (BRIGHT, CONTRAST, COLOR, or TINT) shows on-screen.

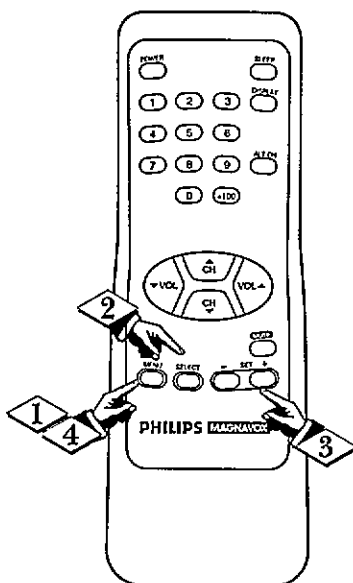
[-] BRIGHT [+]
000000#000000

- 3 Within 10 seconds, press the SET (+) or (-) button to adjust the selected picture control.

- 4 Press the MENU button to clear the screen when picture adjustments are completed.

SMART HELP

The display will disappear from the TV screen after about 10 seconds unless you press SET + or - or the SELECT button, even though you may not be finished.



BRIGHT Press SET (-) or (+) until darkest parts of the picture are as bright as you prefer.

CONTRAST Press SET (-) or (+) until lightest parts of the picture show good detail.

COLOR Press SET (-) or (+) to add or eliminate color.

TINT Press SET (-) or (+) to obtain natural skin tones.

GAME MODE

PICTURE ADJUSTMENTS

To adjust your TV picture controls to the most suitable settings for video games, select a channel and follow these steps.

BEGIN

- 1 Press the MENU button. PICTURE will be selected with the TV's on-screen arrow.

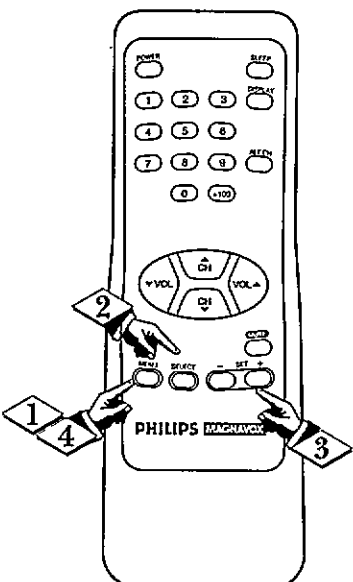
▶ PICTURE
CHANNEL SET
CCD SELECT
CCD OFF

- 2 Press the SELECT button repeatedly so that the GAME MODE control appears on-screen.

[-] GAME MODE [+]
OFF ON

- 3 Press the SET (+) or (-) button to select OFF or ON (the choice will appear in PURPLE). The picture controls will be at the most suitable position for video games.

- 4 Press the MENU button to exit the on-screen menu.



CAUTION: A video source (such as a video game, Compact Disc Interactive - CDI, or TV information channel) which shows a constant non-moving pattern on the TV screen can cause picture tube damage. When not in use, turn the video source OFF. Regularly alternate the use of such video sources with normal TV viewing.

ON-SCREEN MENU CONTROLS (CONT'D)

CAPTION

CLOSED CAPTIONING

Your TV can receive the following types of Closed Captioning: **CAPTION C1**, **CAPTION C2**, **TEXT C1**, or **TEXT C2**. Closed Captioning allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses on-screen "text boxes" to show dialogue and conversations while the TV program is in progress.

Note: Broadcast stations will often use spelling abbreviations, symbols, dropouts and other grammatical shortcuts in order to keep pace with the on-screen action. These type factors vary upon the source of the captioned text material and do not indicate a need for TV service.

1 Press the MENU button repeatedly to select **CCD SELECT** with the TV's on-screen arrow.

PICTURE CHANNEL SET
 ► CCD SELECT
 CCD OFF

2 Press the SET (+) or (-) buttons or the SELECT button to select the desired Closed Caption (CC) mode - for example: **CAPTION C1**.

Note: Usually "CAPTION C1" is the most used mode to view captioned material.

3 Press the MENU button. The menu will disappear and Closed Captioning material (if available on the currently selected TV program) will appear.

To cancel Closed Captioning, select **CCD OFF** at step 2.

CC

STOP

This symbol will appear with channels that contain Closed Captioning material.

SMART HELP

Remember, not all TV programs and commercials are broadcast with Closed Caption (CC) information. Neither are all Closed Caption modes (CAPTION C1 or C2) necessarily being used by a broadcast station during the transmission of a closed caption program. Refer to your area's TV program listings for the stations and times of Closed Caption shows.

Notes:

- (1) During special effects playback of a VCR tape (i.e., Search, Slow, Still), your TV may not display the correct caption or text.
- (2) Captions and texts may not match the TV voice exactly.
- (3) Interference may cause the closed caption system to function improperly.
- (4) The caption or text characters will not appear if the on-screen menu or channel number display is on-screen. Closed Captioning may be delayed briefly when you change channels.
- (5) If a black box appears on-screen, your TV is set to a TEXT mode. To clear the screen, select **CAPTION C1**, **CAPTION C2** or **CCD OFF**.

GLOSSARY

Round Cable 75Ω * A single solid antenna wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75 Ohm input found on the Television or VCR. (Also known as Coaxial Cable.)

Display * Allows the user to quickly confirm what channel number is currently being viewed.

Jack Panel * Refers to the area on the back of the TV cabinet.

On Screen Displays (OSD) * Refers to the wording or messages generated by the television (or VCR) to help the user with specific feature controls (color adjustment, programming, etc.).

Menu * An on-screen listing of feature controls shown on the Television screen that are made available for user adjustments.

Programming * The procedure of adding or deleting channel numbers into the Television's memory circuits. In this way the Television "remembers" only the locally available or desired channel numbers and skips over any unwanted channel numbers.

Remote Sensor Window * A window or opening found on the Television control panel through which infrared remote control command signals are received.

Twin Lead Wire * The more commonly used name for the two strand 300 Ohm antenna wire used with many indoor and outdoor antenna systems. In many cases this type of antenna wire requires an additional adapter (or balun) in order to connect to the 75 Ohm Input terminals designed into the more recent Televisions and VCRs.

GENERAL INFORMATION



TIPS

TROUBLESHOOTING

Please make these simple checks before calling for service. These tips can save you time and money since charges for TV installation and adjustment of customer controls are not covered under your warranty.

BEGIN

1 No Power

- Check the TV power cord.
- Check to be sure outlet is not on a wall switch.

2 No Sound

- Check the VOLUME buttons.
- Check the MUTE button on the remote control.

3 No Picture

- Check antenna connections on the rear of the TV. Are they properly secured to the antenna plug on the TV?

4 Remote Doesn't Work

- Check batteries. Replace with AA Heavy Duty (Zinc Chloride) or Alkaline batteries if necessary.
- Clean the remote and the remote sensor window on the TV.
- Check the TV power cord.

5 Wrong Channel (or no Channels above 13)

- Repeat channel selection.
- Add desired channel numbers into TV memory. See page 5 for details.
- Select CATV at the CHANNEL SET menu (page 4), then let the TV program the channels with AUTO MEMO.

STOP

Cleaning and Care

- Unplug the TV before cleaning.
- Avoid using anything abrasive that could scratch the screen.
- Wipe the TV screen with a clean cloth dampened with water.
- Gently wipe cabinet surfaces with a clean cloth or sponge dampened with cool clear water. Use a clean dry cloth to dry the wiped surfaces.
- Occasionally vacuum the ventilation holes or slots in the cabinet back.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet.

Power Failure

- When you disconnect the unit from the AC outlet, or if you have a power failure, all memory, such as programmed channels, sleep timer, and picture adjustments, will be lost. You must reset each item.



INDEX

Add Channels	5	Channel Scan Buttons	4	Glossary	7	Remote Control	4	Setup	3-4
Alternate Channel Button	4	Closed Caption	7	Menu Button	4	Remote Sensor	4	Sleep Button	4
Antenna Connections	2-3	Coaxial Cable	3	Mute Button	4	RF Cable	3	Sleep Timer	5
Auto Memo	4	Controls/Remote	4	Number Buttons	4	Safety Notes	1	Tips for Service	8
Batteries	4	Controls/TV	4	Power Button	4	Select Button	4	VCR Connections	3
Cable TV Connections	2-3	Display Button	4	Precautions	1, 8	Service	8	Volume Buttons	4
Channel Memory	4-5	Features	1	Programming	4	Set Buttons	4	Warranty	8



WARRANTY

COLOR TELEVISION

90 Days Free Labor

One Year Free Replacement of Parts (Two Years Free Replacement on Color Picture Tube)

This product must be carried in for repair.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. For 90 days thereafter, all parts will be repaired or replaced free, and labor is free. From 90 days to one year from the day of purchase, all parts will be repaired or replaced free, but you pay for all labor charges. From one to two years from the day of purchase, you pay for the replacement or repair of all parts except the picture tube, and for all labor charges. After two years from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 (French Speaking)
1-800-363-7278 (English Speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____
SERIAL # _____